

## **Child Blood Lead Screening Among Medicaid Enrolled Children, New Hampshire, 1997-2001**

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- # Matched records from the childhood lead screening surveillance database with data provided by the NH Medicaid program.
  - # Included each child enrolled for at least one day in each of the five years 1997-2001 and who were less than 72 months of age during that year.
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## **CLPPP and Medicaid do not use common identifiers (e.g. SSN)**

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- # Necessary to match the two data sets using name, date of birth, and address.
  - # A matching algorithm was used that overcame differences in spelling, typographical errors, and incorrect dates of birth.
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## Denominator

- # Rate = Children Screened / **All Children**
- # NH Bureau of Vital Records provided births by town for 1991 through 2001
- # Number of 1 year olds was determined by using the births in the previous year
- # Two year olds were estimated to be the number born two years prior to the year of screening

## Screening Results NH Medicaid

Table 1: Percentage of children aged 1, 2, and less than 6 screened for lead among Medicaid enrollees and non-Medicaid enrollees, New Hampshire

Year	Medicaid enrollees			Non-Medicaid Enrollees		
	Age 1	Age 2	Age <6	Age 1	Age 2	Age <6
1997	55.7%	26.9%	19.2%	71.4%	24.1%	23.5%
1998	51.9%	25.1%	17.7%	65.7%	22.9%	21.8%
1999	48.2%	26.6%	16.6%	57.9%	23.5%	20.4%
2000	48.5%	25.5%	16.5%	56.0%	22.9%	19.9%
2001	46.1%	25.4%	16.2%	52.9%	22.7%	19.2%

## Screening Results NH Medicaid

**Table 2: Percent of children aged 1,2, and less than 6 with BLLs >10 µg/dL among Medicaid enrollees and non-Medicaid enrollees, New Hampshire**

	Medicaid enrollees			Non-Medicaid Enrollees		
	Age 1	Age 2	Age <6	Age 1	Age 2	Age <6
1997	6.0%	12.7%	8.3%	2.1%	4.2%	2.7%
1998	5.7%	10.5%	7.1%	2.0%	3.6%	2.7%
1999	6.8%	12.3%	8.8%	2.3%	3.2%	2.6%
2000	4.6%	10.6%	6.7%	2.0%	3.0%	2.5%
2001	4.3%	8.0%	5.4%	1.9%	2.8%	2.2%

## Screening Results NH Medicaid

**Table 3: Percent of children aged 1,2, and less than 6 screened for lead among Medicaid enrollees in the five most populous towns and in all other towns, New Hampshire**

	Five Largest Towns			All Other Towns		
	Medicaid Children Screened			Medicaid Children Screened		
	Pct Age 1	Pct Age 2	Pct Age <6	Pct Age 1	Pct Age 2	Pct Age <6
1997	64.9%	33.5%	24.3%	51.4%	24.1%	17.0%
1998	61.5%	29.8%	21.7%	47.6%	22.9%	15.9%
1999	49.6%	26.9%	17.6%	47.6%	26.5%	16.2%
2000	51.6%	27.6%	18.4%	47.0%	24.7%	15.7%
2001	51.1%	29.7%	18.4%	44.0%	23.6%	15.2%

## **Medicaid Cost Allocation**

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- # Medicaid is an entitlement program –  
not a grant. Lead Programs are entitled to  
payment for services provided to Medicaid  
enrollees
- # Becoming a Medicaid provider and billing  
Medicaid is prohibitively expensive.
- # It helps if Medicaid is part of the same state  
department as the Lead Program

## **Medicaid Cost Allocation in New Hampshire**

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- # Medicaid will pay for its enrollees:
  - 50% of the cost of environmental  
services
  - 75% of the cost of nursing services
- # Must know each quarter what percentage of  
client population is enrolled. Medicaid  
matching algorithm provides this.

## **Medicaid Cost Allocation**

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- # In Jan-Mar 2002, 41% of the children with elevated lead levels were Medicaid enrollees
  - # This proportion resulted in an increase in SFY 2003 of over \$57,000
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